



23117

06-11-23-BN48PCT-New.ST25.txt
SEQUENCE LISTING

<110> Bavarian Nordic A/S

<120> Vaccinia virus host range genes to increase the titer of
avipoxviruses

<130> BN48PCT

<140> US 10/524,043

<141> 2003-07-29

<150> DK PA 2002 01189

<151> 2002-09-08

<160> 12

<170> PatentIn version 3.3

<210> 1

<211> 615

<212> DNA

<213> MVA

<220>

<221> estimated promoter sequence for C7L in MVA

<222> (1)..(162)

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<221> CDS

<222> (163)..(615)

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aaattactat taacgccgtc ggtattcgtt catccattca gt atg ggt ata cag 174
Met Gly Ile Gln
1cac gaa ttc gac atc att att aat gga gat atc gcg ttg aga aat tta 222
His Glu Phe Asp Ile Ile Ile Asn Gly Asp Ile Ala Leu Arg Asn Leu
5 10 15 20cag tta cat aaa ggg gat aac tac gga tgc aaa cta aaa att att tcg 270
Gln Leu His Lys Gly Asp Asn Tyr Gly Cys Lys Leu Lys Ile Ile Ser
25 30 35aat gat tac aag aaa tta aag ttt aga ttc att ata cgc cca gat tgg 318
Asn Asp Tyr Lys Lys Leu Lys Phe Arg Phe Ile Ile Arg Pro Asp Trp
40 45 50tcg gaa atc gac gag gtc aaa gga tta acc gta ttt gca aac aac tat 366
Ser Glu Ile Asp Glu Val Lys Gly Leu Thr Val Phe Ala Asn Asn Tyr
55 60 65gcg gtg aaa gtt aat aag gta gat gac acg ttc tat tac gta ata tat 414
Ala Val Lys Val Asn Lys Val Asp Asp Thr Phe Tyr Tyr Val Ile Tyr
70 75 80

gag gct gta ata cat ctg tat aac aaa aaa aca gag ata ttg att tat 462

Glu Ala Val Ile His Leu Tyr Asn Lys Lys Thr Glu Ile Leu Ile Tyr
 85 90 95 100
 tct gat gat gag aac gaa ctc ttt aaa cac tat tac cca tac atc agt 510
 Ser Asp Asp Glu Asn Glu Leu Phe Lys His Tyr Tyr Pro Tyr Ile Ser
 105 110 115
 cta aat atg att agt aaa aag tat aaa gtt aaa gaa gaa aac tac tca 558
 Leu Asn Met Ile Ser Lys Lys Tyr Lys Val Lys Glu Glu Asn Tyr Ser
 120 125 130
 tcc ccg tat ata gaa cat ccg tta atc ccg tat aga gat tat gag tcc 606
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 Met Asp
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Lys Ile Ile Ser Asn Asp Tyr Lys Lys Leu Lys Phe Arg Phe Ile Ile
 35 40 45

Arg Pro Asp Trp Ser Glu Ile Asp Glu Val Lys Gly Leu Thr Val Phe
 50 55 60

Ala Asn Asn Tyr Ala Val Lys Val Asn Lys Val Asp Asp Thr Phe Tyr
 65 70 75 80

Tyr Val Ile Tyr Glu Ala Val Ile His Leu Tyr Asn Lys Lys Thr Glu
 85 90 95

Ile Leu Ile Tyr Ser Asp Asp Glu Asn Glu Leu Phe Lys His Tyr Tyr
 100 105 110

Pro Tyr Ile Ser Leu Asn Met Ile Ser Lys Lys Tyr Lys Val Lys Glu
 115 120 125

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Asp Tyr Glu Ser Met Asp
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<213> Canarypoxvirus

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aactatacaa aatggattta gatattaaat cttgcagaag tttttacaaa atatgggata 180
aatatcattt tatgacaggg tataaatata aaaatgataa acagagattt aaaattacaa 240
tttactgtaa atgtgattgt tctatcaaag aatattctta tagatttggt actgagaaac 300
tgcttttaat gtatattatt aataagttaa gaggaagta tctaatacaa attaggatag 360

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aacccatagt taaaaattaa atcatatatc aatacatgtc agttttttat cgaaaaatgg	420
atttataaat aaaatgaaaa ataacttgaa tgaaggaaaa aataaccatg agtaaaaaac	480
cagtaaagac ggtccagcgt agacgtggaa acgatgagga taataagttt acttgatatcc	540
aagcgctaga acatgcaaaa agcttatgta ctaaaaataa taaaatagtt aaatctgtta	600
aactatcaca atctctcttt aagtcattta acaatatttc tgtgatatta gaaccagaat	660
ataaagacaa attagtgtact cctcttatta ttgtagaagg tgaaggaaaa atataccata	720
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ccgagaatac gatggatgaa aaaacattta aagattgtca tctgtatatt aacggaaata	900
ggattatgtc cgccgacgta aaatatttga agaatggtaa acctgtagga gaaaaattat	960
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<210> 8
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